

WE CLAIM:

- 1 1. A dry powder pharmaceutical suspension composition suitable for use as a
2 liquid suspension, the composition comprising granules that include cefuroxime axetil, at
3 least one lubricant, and at least one glidant.
- 1 2. The composition of claim 1 wherein the composition exhibits better
2 bioavailability as compared to Ceftin® oral suspension.
- 1 3. The composition of claim 1 wherein the composition is free of food effects.
- 1 4. The composition of claim 1 wherein the cefuroxime axetil comprises up to
2 about 99.89% by weight of the granules.
- 1 5. The composition of claim 1 wherein the lubricant comprises one or more of
2 stearic acid, calcium stearate, sodium stearyl fumarate and combinations thereof.
- 1 6. The composition of claim 1 wherein the lubricant comprises from about
2 0.01% to about 10% by weight of the granules.
- 1 7. The composition of claim 1 wherein the glidant comprises one or more of
2 colloidal silicon dioxide and talc.
- 1 8. The composition of claim 1 wherein the glidant comprises about 0.1% to
2 about 5% by weight of the granules.
- 1 9. The composition of claim 1 wherein the composition further comprises one
2 or more of suspending agents/viscosity enhancers, buffering agents, fillers, wetting agents,
3 preservatives, flavouring agents, and sweeteners.
- 1 10. The composition of claim 9 wherein the suspending agent/viscosity
2 enhancer comprises one or more of cellulosic derivatives, hydroxypropyl cellulose,
3 hydroxypropyl methylcellulose, methyl cellulose, sodium carboxymethylcellulose, gums,
4 xanthan gum, guar gum; polysaccharides, starch, pregelatinised starch, alginates, sodium
5 alginate; acrylic acid copolymers, carbopols, polyvinylpyrrolidone, and combinations
6 thereof.
- 1 11. The composition of claim 9 wherein the buffering agent comprises one or
2 more of monosodium citrate, sodium citrate, citric acid, and combinations thereof.
- 1 12. The composition of claim 9 wherein the filler comprises one or more of
2 sucrose, starch, lactose, microcrystalline cellulose, and combinations thereof.

1 13. The composition of claim 9 wherein the wetting agent comprises one or
2 more of sodium lauryl sulphate, polysorbates, tween 40, tween 60, tween 80, poloxamer,
3 and combinations thereof.

1 14. The composition of claim 9 wherein the preservative comprises one or
2 more of methyl paraben, propyl paraben, sodium benzoate, and combinations thereof.

1 15. The composition of claim 9 wherein the flavouring agents/sweeteners
2 comprise one or more of grenadine flavour, tutti frutti flavour, peppermint flavour,
3 aspartame, saccharine sodium, sucrose, sorbitol, sodium cyclamate and combinations
4 thereof.

1 16. The composition of claim 1 wherein the granules comprise up to
2 approximately 315 mg of cefuroxime axetil per 5 ml of suspension, up to approximately 6
3 mg of colloidal silicon dioxide per 5 ml of suspension, and up to approximately 6 mg of
4 stearic acid per 5 ml of suspension.

1 17. The composition of claim 9 wherein the composition comprises
2 approximately 3979 mg of sucrose per 5 ml of suspension, approximately 20 mg of
3 aspartame per 5 ml of suspension, approximately 84 mg of silicon dioxide per 5 ml of
4 suspension, approximately 10 mg of monosodium citrate per 5 ml of suspension,
5 approximately 19 mg of flavour per 5 ml of suspension, and approximately 10 mg of
6 sodium chloride per 5 ml of suspension.

1 18. A process of forming a dry powder pharmaceutical suspension composition
2 suitable for use as a liquid suspension, the process comprising forming granules by
3 granulating a mixture of cefuroxime axetil, at least one lubricant, and at least one glidant
4 by compaction/slugging.

1 19. The process of claim 18 further comprising sizing the granules.

1 20. The process of claim 18 wherein the granules are prepared by compaction.

1 21. The process of claim 18 wherein the cefuroxime axetil comprises up to
2 about 99.89% by weight of the granules.

1 22. The process of claim 18 wherein the lubricant comprises one or more of
2 stearic acid, calcium stearate, sodium stearyl fumarate, and combinations thereof.

1 23. The process of claim 18 wherein the lubricant comprises from about 0.01%
2 to about 10% by weight of the granules.

1 24. The process of claim 18 wherein the glidant comprises one or more of
2 colloidal silicon dioxide and talc.

1 25. The process of claim 18 wherein the glidant comprises from about 0.1% to
2 about 5% by weight of the granules.

1 26. The process of claim 18 further comprises mixing one or more additional
2 pharmaceutical excipients with the granules.

1 27. The process according to claim 25 wherein the additional pharmaceutical
2 excipients comprise one or more of suspending agents/viscosity enhancers, buffering
3 agents, fillers, wetting agents, preservatives, flavouring agents and sweeteners.

1 28. A method of dosing for infections treated with cefuroxime axetil, the
2 method comprising administering a dry powder pharmaceutical suspension composition of
3 cefuroxime axetil dissolved or suspended in an ingestible liquid, the composition
4 comprising granules that include cefuroxime axetil, at least one lubricant, and at least one
5 glidant.